

The diagram illustrates a multi-channel optical sensor system. A horizontal substrate 5 is shown with a series of four rectangular channels 3. Each channel contains a vertical element labeled Y. Above the channels, a series of four rectangular blocks 4 are positioned, each containing a sun-like symbol. The distance between the blocks 4 and the channels 3 is labeled  $h1$ . The distance between the channels 3 and the substrate 5 is labeled  $h2$ . The distance between the blocks 4 and the substrate 5 is labeled  $d$ . The channels 3 are labeled with the letters K, C, M, and Y. The substrate 5 is labeled with the number 5. The blocks 4 are labeled with the number 4. The channels 3 are labeled with the number 3. The vertical elements Y are labeled with the letter Y. The distance  $h1$  is indicated by a double-headed arrow. The distance  $h2$  is indicated by a double-headed arrow. The distance  $d$  is indicated by a double-headed arrow. The substrate 5 is shown as a horizontal bar. The channels 3 are shown as rectangular blocks. The blocks 4 are shown as rectangular blocks. The vertical elements Y are shown as small squares. The sun-like symbols are shown as circles with radiating lines. The labels 1, 2, 3, 4, 5, 6, 7, Y, K, C, M, and P are used to identify various components and dimensions of the system.